

Title (en)  
QUICK CONNECTION CLAMPING HOOP

Title (de)  
SCHNELLVERBINDUNGSSPANNREIF

Title (fr)  
COLLIER DE SERRAGE À RACCORDEMENT RAPIDE

Publication  
**EP 3896323 A4 20220126 (EN)**

Application  
**EP 19895499 A 20191210**

Priority  
• CN 201811535029 A 20181214  
• CN 2019124153 W 20191210

Abstract (en)  
[origin: US2021262595A1] A quick connection clamping hoop, including an upper clamping hoop body and a lower clamping hoop body that are both in a semi-annular shape; where the upper clamping hoop body and the lower clamping hoop body each have one end as a plug connecting end and the other end as a connecting end; connecting ends of the upper clamping hoop body and the lower clamping hoop body each are provided with a lug, and the connecting ends of the two are connected together via a bolt passing through lugs; plug connecting ends of the two are connected together via a plug connecting mechanism disposed at the plug connecting ends of the two. A clamping hoop in this structure is assembled and connected to a pipe quickly, and is convenient for use, which can greatly improve production efficiency of the clamping hoop and efficiency of pipe connection.

IPC 8 full level  
**F16L 21/06** (2006.01)

CPC (source: CN EP KR US)  
**F16J 15/062** (2013.01 - EP); **F16J 15/104** (2013.01 - EP); **F16L 17/02** (2013.01 - KR); **F16L 17/04** (2013.01 - EP US); **F16L 21/03** (2013.01 - CN); **F16L 21/06** (2013.01 - EP); **F16L 21/065** (2013.01 - CN KR US); **F16L 17/025** (2013.01 - EP)

Citation (search report)  
• [XY] US 2012256415 A1 20121011 - DOLE DOUGLAS R [US]  
• [XAY] US 4915418 A 19900410 - PALATCHY JOSEF [IL]  
• [Y] EP 0931966 A1 19990728 - RASMUSSEN GMBH [DE]  
• See also references of WO 2020119654A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**US 2021262595 A1 20210826**; CN 109442108 A 20190308; CN 109442108 B 20240503; EP 3896323 A1 20211020; EP 3896323 A4 20220126; EP 3896323 B1 20230308; ES 2942357 T3 20230531; KR 102642741 B1 20240305; KR 20210060635 A 20210526; PL 3896323 T3 20230508; US 2024102588 A1 20240328; WO 2020119654 A1 20200618

DOCDB simple family (application)  
**US 202117317492 A 20210511**; CN 201811535029 A 20181214; CN 2019124153 W 20191210; EP 19895499 A 20191210; ES 19895499 T 20191210; KR 20217014419 A 20191210; PL 19895499 T 20191210; US 202318532902 A 20231207